| Ref<br># | Hits | Search Query   | DBs                | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|--------------------|---------------------|---------|------------------|
| L1       | 2    | "7092675"  | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/09/27 06:52 |
| L2       | 1    | 1 and (charge adj pump)  | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/09/27 07:06 |
| L3       | 1    | 1 and (controller)   | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/09/27 07:12 |
| L4       | 2    | 1 and (sigma)  | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/09/27 07:16 |
| L5       | 2    | 1 and (i and q)  | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/09/27 07:30 |
| L6       | 2    | 1 and (sum\$4)   | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/09/27 07:19 |
| L7       | 1    | 1 and ((i and q) and mixer)  | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/09/27 07:31 |
| L8       | 1    | 1 and ((i and q) same mixer)   | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/09/27 07:31 |
| S1       | 90   | CHIEN-HUNG-MING or PAN-MENG-AN<br>or PAN-MENG-AN-MICHAEL or<br>WU-STEPHEN or IBRAHIM-BRIMA or<br>IBRAHIM-BRIMA-B | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/09/27 06:16 |
| S2       | . 0  | ("2006/0057995").URPN.   | USPAT              | OR                  | ON      | 2006/04/27 16:09 |
| S3       | 1    | ("2003/0232610").URPN.   | USPAT              | OR                  | ON      | 2006/04/27 16:19 |
| S4       | 1    | ("2003/0109237").URPN.   | USPAT              | OR                  | ON      | 2006/04/27 16:21 |
| S5       | 1    | ("2003/0109237").URPN.   | USPAT              | OR                  | ON      | 2006/04/27 16:31 |
| S6       | 630  | fractional near5 synthesizer   | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/04/27 16:48 |
| S7       | 443  | fractional adj3 synthesizer  | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/04/27 16:57 |
| S8       | 282  | S7 and feedback  | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/04/27 16:49 |
| S9       | 246  | S7 and (@ad<="20011212" or<br>@rlad<="20011212")   | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/09/26 18:57 |
| S10      | 136  | S9 and feedback  | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/04/27 16:53 |
| S11      | 11   | S9 and (first adj3 feedback)   | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/04/27 16:58 |
| S12      | 12   | S9 and (second adj3 feedback)  | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/04/27 16:53 |
| S13      | 14   | S11 or S12   | US-PGPUB;<br>USPAT | OR                  | ON      | 2006/04/27 16:53 |
| S14      | 2    | ("2002/0030546").URPN.   | USPAT              | OR                  | ON      | 2006/04/27 16:56 |

| S15 | 584 | fractional adj3 (synthesizer or synthesis)                          | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 16:57 |
|-----|-----|---|--------------------|----|----|------------------|
| S16 | 334 | S15 and feedback  | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 16:58 |
| S17 | 336 | S15 and (@ad<="20011212" or<br>@rlad<="20011212")                   | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 18:30 |
| S18 | 28  | S15 and (first adj3 feedback)                                       | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 17:00 |
| S19 | 26  | S15 and (second adj3 feedback)                                      | US-PGPUB;<br>USPAT | OR | ON | 2006/09/26 18:57 |
| S20 | 33  | S18 or S19  | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 16:59 |
| S21 | 336 | S15 and (@ad<="20011212" or<br>@rlad<="20011212")                   | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 16:59 |
| S22 | 12  | S17 and (first adj3 feedback)                                       | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 17:00 |
| S23 | 13  | S17 and (second adj3 feedback)                                      | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 17:00 |
| S24 | 15  | S22 or S23  | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 17:00 |
| S25 | 2   | ("2002/0030546").URPN.  | USPAT              | OR | ON | 2006/04/27 17:00 |
| S26 | 1   | ("6549078").URPN.   | USPAT              | OR | ON | 2006/04/27 17:39 |
| S27 | 584 | fractional adj3 (synthesizer or synthesis)                          | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 18:30 |
| S28 | 336 | S27 and (@ad<="20011212" or<br>@rlad<="20011212")                   | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 18:31 |
| S29 | 4   | "7023251".pn. or "6549078".pn. or<br>"6236278".pn. or "20020030546" | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 18:31 |
| S30 | 2   | S29 and (charge adj2 pump)  | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 18:37 |
| S31 | 3   | S29 and (oscillator)  | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 18:37 |
| S32 | 3   | S29 and (control\$5 near5 oscillator)                               | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 18:43 |
| S33 | 1   | S29 and (sigma adj2 delta)  | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 18:45 |
| S34 | 2   | S29 and (modulator)   | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 18:47 |
| S35 | 1   | S29 and (multiplexor)   | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 18:49 |
| S36 | 4   | S29 and (feedback)  | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 18:51 |
| S37 | 1   | S29 and ((selectable or adjust\$5) near5 divider)                   | US-PGPUB;<br>USPAT | OR | ON | 2006/04/27 18:54 |

9/27/06 7:37:19 AM

|     |     |   | ,                            |    |    |                  |
|-----|-----|---|------------------------------|----|----|------------------|
| S38 | 37  | S28 and ((selectable or adjust\$5) near5 divider)   | US-PGPUB;<br>USPAT           | OR | ON | 2006/04/27 18:55 |
| S39 | 8   | S38 and (i and q)   | US-PGPUB;<br>USPAT           | OR | ON | 2006/04/27 18:55 |
| S40 | 6   | ("6515553").URPN.   | USPAT                        | OR | ON | 2006/04/27 18:58 |
| S41 | 443 | fractional adj3 synthesizer   | US-PGPUB;<br>USPAT           | OR | ON | 2006/04/28 07:32 |
| S42 | 246 | S41 and (@ad<="20011212" or<br>@rlad<="20011212")   | US-PGPUB;<br>USPAT           | OR | ON | 2006/04/28 07:32 |
| 543 | 26  | S42 and (fractional adj3 spur\$4)   | US-PGPUB;<br>USPAT           | OR | ON | 2006/04/28 07:33 |
| S44 | 1   | ("2002/0145472").URPN.  | USPAT                        | OR | ON | 2006/04/28 07:34 |
| S45 | 13  | ("20020145472"   "20020163389"  <br>"20030109237"   "20030112079"  <br>"20030119466"   "20030137359"  <br>"4179670"   "4851787"   "5305362"  <br>"5424687"   "5903194"   "6624705"  <br>"6708026").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/28 07:35 |
| S46 | 1   | ("2003/0112079").URPN.  | USPAT                        | OR | ON | 2006/04/28 07:47 |
| S47 | 1   | ("2002/0145472").URPN.  | USPAT                        | OR | ON | 2006/04/28 07:49 |
| S48 | 1   | ("2002/0145472").URPN.  | USPAT                        | OR | ON | 2006/04/28 07:50 |
| S49 | 21  | ("5424687").URPN.   | USPAT                        | OR | ON | 2006/04/28 07:54 |
| S50 | 6   | ("5499393").URPN.   | USPAT                        | OR | ON | 2006/04/28 07:57 |
| S51 | 6   | ("6163710").URPN.   | USPAT                        | OR | ON | 2006/04/28 08:00 |
| S52 | 1   | ("2002/0121938").URPN.  | USPAT                        | OR | ON | 2006/04/28 08:24 |
| S53 | 0   | ("2002/0036544").URPN.  | USPAT                        | OR | ON | 2006/04/28 08:25 |
| S54 | 25  | ("4184068"   "4864634"   "4965531"   "5012244"   "5070310"   "5079521"   "5091706"   "5093632"   "5196850"   "5198817"   "5414424"   "5654711"   "5757301"   "5781044"   "5878101"   "5903194"   "5949361"   "6008703"   "6008704"   "6061008"   "6313773"   "6369623"   "6385276"   "6433643"   "6594330").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/28 08:27 |
| S55 | 8   | ("4563657"   "5018170"   "5187722"  <br>"5260608"   "5675620"   "5790614"  <br>"6163186"   "6356129").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/28 08:28 |
| S56 | 14  | ("3959737"   "4030045"   "4107612"  <br>"4802009"   "4849993"   "4866739"  <br>"4868524"   "4893094"   "4933955"  <br>"5018170"   "5052031"   "5070310"  <br>"5304956"   "5349310").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/28 08:30 |
| S57 | 10  | ("4868524").URPN.   | USPAT                        | OR | ON | 2006/04/28 08:31 |
| S58 | 10  | ("5187722").URPN.   | USPAT                        | OR | ON | 2006/04/28 08:47 |

| S59 | 7   | ("3346814"   "3622913"   "3805192"  <br>"4516083"   "4653117"   "4837853").<br>PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/28 08:55 |
|-----|-----|--|------------------------------|----|----|------------------|
| S60 | 8   | ("3164777"   "3729688"   "4135165"  <br>"4188582"   "4290029"   "4330758"  <br>"4388598").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/28 08:56 |
| S61 | 15  | ("4868513"   "5339050"   "5347232"  <br>"5774023"   "5815016"   "5838205"  <br>"5872520"   "5909474"   "5942949"  <br>"5953386"   "6043715"   "6084479"  <br>"6100767"   "6114920"   "6388536").<br>PN.              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/28 08:58 |
| S62 | 15  | ("5774023").URPN.  | USPAT                        | OR | ON | 2006/04/28 09:04 |
| S63 | 443 | fractional adj3 synthesizer  | US-PGPUB;<br>USPAT           | OR | ON | 2006/04/28 10:14 |
| S64 | 246 | S63 and (@ad<="20011212" or<br>@rlad<="20011212")  | US-PGPUB;<br>USPAT           | OR | ON | 2006/04/28 10:15 |
| S65 | 53  | S64 and (within adj3 range)  | US-PGPUB;<br>USPAT           | OR | ON | 2006/04/28 10:27 |
| S66 | 81  | S64 and (i and q)  | US-PGPUB;<br>USPAT           | OR | ON | 2006/04/28 10:27 |
| S67 | 35  | ("4816774").URPN.  | USPAT                        | OR | ON | 2006/04/28 11:13 |
| S68 | 13  | ("3928813"   "3976945"   "4101838"  <br>"4184068"   "4204174"   "4231104"  <br>"4423381"   "4468797"   "4472820"  <br>"4556984"   "4609881"   "4694475"  <br>"4714899").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/28 11:19 |
| S69 | 11  | "5187722"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/28 11:19 |
| S70 | 828 | 455/260.ccls.  | US-PGPUB;<br>USPAT           | OR | ON | 2006/05/02 12:02 |
| S71 | 174 | 455/165.1  | US-PGPUB;<br>USPAT           | OR | ON | 2006/05/02 12:02 |
| S72 | 959 | S70 or S71   | US-PGPUB;<br>USPAT           | OR | ON | 2006/05/02 12:02 |
| S73 | 786 | S72 and (@ad<="20011212" or<br>@rlad<="20011212")  | US-PGPUB;<br>USPAT           | OR | ON | 2006/05/02 12:09 |
| S74 | 8   | "6456164"  | US-PGPUB;<br>USPAT           | OR | ON | 2006/09/26 17:49 |
| S75 | 17  | ("20020140512"   "5038117"   "5337024"   "5604468"   "5781044"   "5790614"   "5834987"   "5847611"   "6008703"   "6044124"   "6236703"   "6404246"   "6456164"   "6509800"   "6570453"   "6670854"   "6917317"). PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/09/26 18:13 |

|     |      |   | •                            |    |    |                  |
|-----|------|---|------------------------------|----|----|------------------|
| S76 | 11   | "5187722"   | US-PGPUB;<br>USPAT           | OR | ON | 2006/09/26 18:13 |
| S77 | 7    | ("4492936"   "4641323"   "4688237"  <br>"4847875"   "4949357"   "5018170"  <br>"5055800").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/09/26 18:13 |
| S78 | 18   | "5774023"   | US-PGPUB;<br>USPAT           | OR | ON | 2006/09/26 18:14 |
| S79 | 1    | ("5675291").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/09/26 18:14 |
| S80 | 61   | S74 or S75 or S76 or S77 or S78 or S79  | US-PGPUB;<br>USPAT           | OR | ON | 2006/09/26 18:14 |
| S81 | 1    | S80 and (second adj3 feedback adj3 path)  | US-PGPUB;<br>USPAT           | OR | ON | 2006/09/26 18:58 |
| S82 | 10   | (fractional near5 synthesizer) and (second adj3 feedback adj3 path)                           | US-PGPUB;<br>USPAT           | OR | ON | 2006/09/26 18:47 |
| S83 | 1    | "7005929"   | US-PGPUB;<br>USPAT           | OR | ON | 2006/09/26 18:47 |
| 584 | 1880 | (455/260,165.1,313,76).ccls.  | US-PGPUB;<br>USPAT           | OR | ON | 2006/09/26 18:57 |
| S85 | 1334 | S84 and (@ad<="20011212" or<br>@rlad<="20011212")   | US-PGPUB;<br>USPAT           | OR | ON | 2006/09/26 18:57 |
| S86 | 42   | S85 and (second adj3 feedback)  | US-PGPUB;<br>USPAT           | OR | ON | 2006/09/26 18:59 |
| S87 | 14   | S85 and (second adj3 feedback adj3 (circuit or path))   | US-PGPUB;<br>USPAT           | OR | ON | 2006/09/26 18:59 |